

Chapter 1 Outline:

Describe the basic functions of living organisms.

1. _____
2. _____
3. _____
4. _____
5. _____

Define anatomy and physiology, and describe the various specialties within each discipline.

- Anatomy:
 - Gross anatomy:
 - Surface anatomy:
 - Regional anatomy:
 - Systemic anatomy:
 - Microscopic anatomy:
 - What is cytology?
 - What is histology?
- Physiology:
 - Human physiology:
 - Cell physiology:
 - Special physiology:
 - Systemic physiology:
 - Pathology:

Identify the major levels of organization in living organisms.

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____

Explain the significance of homeostasis.

Identify the organ systems of the human body and the major components of each system.

[illegible]

Describe how negative and positive feedback is involved in homeostatic regulation.

- Negative feedback:
 - Description:

 - Example:

- Positive feedback:
 - Description:

 - Example:

Describe a human in proper anatomical position:

Use anatomical terms to describe body sections, body regions, and relative positions.

Ex: The small intestine is inferior to the cranium.

- Anterior/ventral:

- Posterior/dorsal:

- Cranial:

- Superior:

- Caudal:

- Inferior:

- Medial:

- Lateral:

- Proximal:

- Distal:
- Superficial:
- Deep:

Identify the major body cavities and their subdivisions:

What are the functions of the body cavities?

Where is the diaphragm located?

- Thoracic cavity:
 - Pleural cavity:
 - Pericardial cavity:
- Abdominopelvic cavity:
 - Peritoneal cavity:
 - Abdominal cavity:
 - Pelvic cavity: